AAO-IPT
Session IV By Exceptions and EEAP Sourcing Heartburns

17 Dec 2002

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Purpose

- **Approve Advocacy By Exception Recommendations**
- **Approve EEAP Sourcing Recommendations**
- **Approve Way Ahead**

Agenda

- **Chronology**
- **AAO IPT Session IV By Exceptions**
- **EEAP Sourcing**
  - Background
  - Results of Items Sourced
  - Heartburn Items
- **Way Ahead**
- **Recommendations**

Chronology

- **MROC approves Retirement/Disinvestment methodologies, EEAP sourcing solution, and NALMEB clarification**
  - **23 Jul 2002/MROC DM 40-2002 of 6 Sep 2002**
- **Phase IV AAO IPT convenes (Retirement/Disinvestment focus)**
  - **6-15 Aug 2002**
- **ACMC sends P4 directing Operating Forces to apply 40-40-20 metric and to report back on Heartburn TAMCNs**
  - **CMC/ACMC msg 080930Z Aug 02**

Chronology (Cont)

- **MROC approves Phase IV recommendations as baseline, pending Advocates "By Exception", and to include EEAP Sourcing resolution**
  - MROC DM 01-2003 of 20 Nov 2002

Advocacy By Exceptions

- **CE:**
  - **A0499 Digital Technical Control (DTC)**
  - **A2535 Tactical Data Network (TDN) Gateway**

- **GCE:**
  - **M1A1 Tank (Deferred decision from Phase III)**

TAMCN	Nomenclature	I MEF	II MEF	III MEF	Res	Sup Est	MPF	WRMR	NALMEB	DMFA	EEAP	Old AAO	New AAO
A0499	Digital Technical Control (DTC)	7	7	6	6	3	0	0	0	1/0	0	30	30/29
A2535	Tactical Data Network (TDN) Gateway	7	7	6	6	4/3	0	0	0	1/0	0	31	31/29
E1888	M1A1 Firepower Enhancement	58	58	0	64	0	174	0	0	27/0	22/0	403	403/354

Proposed Number / AAO IPT Recommendation

Advocacy By Exceptions (Cont)

- **A0499 Digital Technical Control: Restore (1) DTC to DMFA:**
  - **Critical Low Density (CLD)/high demand item**
  - **Potential growth in requirement due ever increasing demand for network capacity and access to multi-media services (voice, video, data)**
  - **Future upgrades to system will cause a T/E deficiency of critical asset for indeterminable periods of time, significantly impacting Operating Forces' readiness**
  - **Pairs on 1:1 basis with A2535 TDN Gateway**
  - **Already procured and in inventory**

Advocacy By Exceptions (Cont)

- **A2535 Tactical Data Network Gateway : Restore (1) TDN Gateway to DMFA and reclassify (1) in WRMR to MCCES/SE to enhance TDN "hands on" operator training:**
  - **Critical Low Density (CLD)/high demand item**
  - **Potential growth in requirement due ever increasing demand for network capacity and access to multi-media services (voice, video, data)**
  - **Future upgrades to system will cause a T/E deficiency of critical asset for indeterminable periods of time, significantly impacting Operating Forces' readiness**
  - **Pairs on 1:1 basis with A0499 DTC**
  - **Already procured and in inventory (no near**

Advocacy By Exceptions (Cont)

- **M1A1 Tank (Deferred decision from Phase III)**
  - **Keep EEAP as additive (Heartburn item by entire Operating Forces)= 22 tanks**
  - **Reinstate DMFA= 27 to support longevity of legacy system to 2020-25 timeframe**

Advocacy By Exceptions (Cont)

- **Recommend approve “By Exceptions” for DTC, TDN Gateway, and M1A1 Tanks**

EEAP Sourcing

- **249 TAMCNS in EEAP**
- **VTC Held 19 and 22 Nov 2002 between MCCDC, the Advocates, and Operating Forces**
  - **Methodology for New Items:**
    - **40/40/20 Split Determined in Fielding Plan (MTVR)**
    - **CLD items remain additive to EEAP**
  - **Recommended methodology for Legacy Items:**
    - **Use Reserves' In-Stores first**
    - **I and II MEF determine shares of remaining requirement**
    - **Identify heartburn items**

EEAP Sourcing Results

- **22 TAMCNs previously sourced within new fielding and/or through MROC decision as additive**
- **Reserve In-Stores supports total current EEAP allowance for 65 TAMCNs**
- **MEF's sourced additional 20 TAMCNs**
- **Operating Forces desire to heartburn 142 TAMCNs**
  - **50 partially sourced**
  - **92 full requirement to be additive**

New Start Items Resolved

TAMCN	NOMENCLATURE	CURRENT EEAP ALLOW
	Advanced Anti-tank Weapon System - Heavy	24
D0198	MTVR CARGO	67
	MTVR CARGO BOTH MG AND WINCH	6
	MTVR CARGO WINCH	21
	MTVR CARGO WITH MG	21
	MTVR CARGO WITH TIRE	29
D1072	MTVR DUMP	8
D1212	MTVR WRECKER	7
D1062	MTVR XLWB W/MG	1
	MTVR XLWB W/MG AND WINCH	1
	MTVR XLWB W/SPARE TIRE	2
	MTVR XLWB W/WINCH	1
	MTVR XTRA LONG WHEELBED	8
E08577K	ASSAULT AMPHIBIOUS VEHICLE (P), ADVANCED (AAAV)	50
E08587K	ASSAULT AMPHIBIOUS VEHICLE C, ADVANCED (AAAV)	5

Accepted Additive Items to Date

TAMCN	NOMENCLATURE	CURRENT EEAP ALLOW
E06657M	HOWITZER, MEDIUM, TOWED, 155MM	18
E09427M	LAV, ANTI-TANK LAV AT	5
E09477M	LAV, LIGHT ASSAULT, 25 MM LAV-25	15
E09487B	LAV, LOGISTICS LAV-L	4
E09497M	LAV, MORTAR LAV-M	3
E09467B	LAV, COMMAND AND CONTROL (BN) LAV-C2	2
E09507B	LAV, MAINT/RECOVERY LAV-R	2

Reserves In-Stores (Fully Sourced)

TAMCN	NOMENCLATURE	CURRENT EEAP ALLOW
A04987G	MESSAGE SYS, DIGITAL AN/PSC2A	8
A12607G	NAVIGATION SET, SATELLITE SIG (PLGR) AN/PSN11	21
A12757G	ENTRY DEVICE, PROGRAM	2
A19357G	RADIO SET AN/MRC138B (V)	34
A20707G	RADIO SET, MANPACK AN/PRC119A	15
A70217G	COUNTER, ELECTRONIC, DIGITAL READOUT	5
A70617G	OSCILLOSCOPE FLK199	5
A70727G	ADAPTER TEST, SINCGARS RADIO	4
A70807G	TEST SET, RADIO VHF	4
A70827G	TEST SET, RADIO VHF	5
A75017G	TEST STATION, ELECTRICAL-ELECTRONIC EQUIP	3
A77007H	ANALYZER-CHARGER, BATTERY PP8333/U	14
A77057G	POWER SUPPLY, 24-28 VDC	49
A77067G	POWER SUPPLY, 0-40 VDC	4
A79007G	TOOL KIT, MAINT, ELECTRONIC	21
A79557G	KIT, MAINT, EQUIP, ELECTRONIC	3

TAMCN	NOMENCLATURE	CURRENT EEAP ALLOW
B00127B	AIR CONDITIONER	27
B03557B	COMPACT/DITCHER	2
B04467B	CRANE, RT, HYDRAULIC, LIGHT	3
B05707B	DRUM, FABRIC, COLLAPSIBLE, LIQUID FUEL 500 GAL	16
B05957B	DISTRIBUTION SYSTEKM, POWER ELEC 15KW	46
B06007B	DISTRIBUTION SYSTEM, POWER, ELECT 30KW	18
B06057B	DISTRIBUTION SYSTEM POWER, ELECT 100KW	10
B06087B	HARNESS, WIRING, FIELD	25
B0635	FLOODLIGHT	24
B07307B	GENERATOR STE, SKID MTD 3KW/HO HZ	22
B08917B	GENERATOR SET, SKID MTD 10KW/60HZ	18
B09217B	GENERATOR SET SKID MTD 10KW/400HZ	5
B09537B	GENERATOR SET, SKID MTD 30KW/60HZ	9
B10217B	GENERATOR SET, SKID-MTD, 60KW/60HZ TQG	5
B12987B	KIT, LAUNCH, LINE CHARGE, TRLR-MTD	11
B15707B	PUMP ASSY, EXPEDIENT REFUELER FUEL DISPENSING	3

Reserves In-Stores (Fully Sourced) Cont

TAMCN	NOMENCLATURE	CURRENT EEAP ALLOW
B15817B	PUMP MODULE, WATER	6
B17757B	RIPPER ATTACHMENT, 3 SHANK REAR	3
B20047B	SKID ASSEMBLY, REMOTE, AIR CONDITIONER	4
B20857B	STORAGE TANK MODULE FUEL (SIXCON)	40
B20867B	STORAGE TANK MODULE, WATER (SIXCON)	12
B21307B	TANK FABRIC COLLAPSIBLE WATER	6
B24607B	TRACTOR, FT, W/ANGLE BLADE T5	4
B24627B	TRACTOR, FT, MEDIUM (CATERPILLAR) D7G	3
B24827B	TRACTOR, ALL-WHL-DRIVE, W/ATTACHMENTS FLU 419	4
B2561	EBFL	10
B25677B	TRACTOR, RUBBER TIRE ARTICULATED STEER (TRAM)	12
B26417B	CHILLER, WATER, MOBILE SMALL	21
B27057B	WINCH ATTACHMENT, SINGLE DRUM 57 CATERPILLAR	2
C50802T	JACK, DOLLY, TYPE 10	6
C58202E	RANGE OUTFIT, FLD, GASOLINE	25
C66217B	HEATING SYSTEM, TRATION, TRAY	3

TAMCN	NOMENCLATURE	CURRENT EEAP ALLOW
C70252B	TEST SET, HYDRAULIC, IN-LINE	4
C70337B	SHOP EUQIPMENT, CONTACT MAINT	3
C70407G	ANALYZER SET, ENGINE STE/ICE-R	4
D00807K	CHASSIS TRAILER GP 3 1/2T	54
D00857K	CHASSIS, TRLR 3/4T	27
D01957K	LOAD SYSTEM, PALLETIZED, FLATRACK M1077	4
D08507K	TRLR, CARGO, 3/4T	10
D08607K	TRLR, CARGO, 1 1/2T	41
D08797K	LVS TRLR, POWERED, 20T CARGO, DROPSIDE, W/CRANE	5
D08807K	TRLR, TANK, WATER, 400 GAL	28
D10597K	TRK, CARGO, 5T, 6X6 W/O WINCH	144
D10617K	TRK, CARGO, 5T, XLWB, W/WINCH	13
D10727K	TRK, DUMP, 5T 6X6 W/O WINCH	9
D11587K	TRK, UTIL, CARGO	269
D11597K	TRK, UTIL, ARM	46
E09967M	BLADE, MINE CLEARING	4
E11522B	GOGGLES, NIGHT VISION, INDIV AN/PVS7B	30

MEF Sourced Items

TAMCN	NOMENCLATURE	CURRENT EEAP ALLOW
A23352B	SHELTER, 10FT EMI, MAINT COMPLEX	1
A23362B	SHELTER, 20FT, EMI, MAINT COMPLEX	1
B01717B	BUCKET, CLAMSHELL	1
B03957B	COMP, AIR, 250CFM, TRL-MTD W/PNEUMATIC TOOLS	1
B04437B	CRANE, HIGH SPEED, HIGH MOB, W/PILE DRIVER CAP	2
B04712E	DEMOLITION EQUIPMENT, ENGINEER SQD	1
B10827B	GRADER, ROAD MOTORIZED	2
B12802E	LIGHT SET GENERAL ILLUMIMNATION LARGE	1
B22802E	TOOL KIT, SERVICE, REFRIGERATION UNIT	1
B24647B	TRACTOR, FT, W/MULTIPURPOSE BUCKET D7G	2
B27302E	YOKE, TOWING AND LIFTING	1
C44312E	CONTAINER PALLET	1
C70352B	TOOL SET, FM 4TH ECH F/ALLISON TRANS	1
C96572E	STAND, ENGINE REPAIR	2
D07552E	TOOL KIT, OM 2D/3D ECH F/TRK 5T M809/M923	2
D08777K	LVS TRLR, POWERED, WRECKER/RECOVERY MK 15	2
D08817K	LVS TRLR, RIBBON BRIDGE MK18A1	2
E01432E	KIT, BORESIGHT	1
E13787KP	IMPROVED RECOVERY VEHICLE	2
E22082B	TOOL KIT, ELECTRO-OPTICAL	2

Heartburns

- **Some TAMCNs have partial sourcing solutions from Reserve In-Stores/MEFs, but remaining quantities required heartburn**

- **Trends in justifications:**
  - **T/A=T/E for specific TAMCN**
  - **O/H quantities already below T/E for particular TAMCN**
  - **Further reductions seriously impact training/operational readiness**
  - **Eliminates ability to perform “no notice, non-MPF” contingencies” (e.g., Humanitarian Assistance)**
  - **Explore reducing EEAP T/E & increasing TOT options if required**

Heartburn (Partial Sourced)

TAMCN	NOMENCLATURE	CURRENT EEAP ALLOW	DELTA
A17957G	RADIO SET AN/RRC193B (V)	12	-9
A19557G	TERMINAL SET, RADIO AN/MRC 142A	29	-23
A19577G	RADIO SET AN/MRC 145A	20	-16
A20657G	RADIO SET AN/PRC 104V (V)	39	-19
A20697G	RADIO SET, UHF AN/PRC113(V)3	52	-42
A20747G	RADIO SET, VEHICULAR AN/VRC88D	30	-20
A21647G	RADIO SET, VEHICULAR AN/VRC83(V)2	30	-24
A21677G	RADIO SET, VEHICULAR AN/VRC88A	105	-55
A21697G	RADIO SET, VEHICULAR AN/VRC90A	22	-18
A81007G	CONTROL GROUP, RADIO	25	-15
B00057B	AIR CONDITIONER, MCS VERTICAL	9	-14
B05257B	DRAWBAR ATTACHMENT, FIXED REARMOUNTING	5	-4
B05717B	DRUM, FABRIC, COLLAPSIBLE 500 GAL CAP	12	-9
B06767B	WATER POINT SYSTEM, FWD AREA	3	-2
B15807B	FLATRACK REFUEL	24	-19
B20067B	SKID MOUNTING ASSEMBLY, REMOTE, AIR COND TYPE C	9	-17
B25667B	FORKLIFT, RT, LT CAPABILITY	24	-19
B26857B	WELDING MACHINE, ARC, TRLR-MTD	6	-3
C48802E	CONTAINER, FOOD, INSULATED	60	-54
D02097K	LVS POWER UNIT, FRONT, 12 1/2T MK 48	43	-33
D08767K	LVS TRLR, POWERED, 22 1/2T CONTAINER HAULER MK 14	32	-17
D10017K	TRK, UTIL, AMBULANCE 4 LTR, 1 1/4T	13	-7
D10027K	TRK, UTIL, AMBULANCE 2 LTR, 1 1/4T	11	-7
D11257K	TRK, UTIL, TOW CARRIER	24	-19
E03307M	EQUIPMENT SET, NIGHT VISION	28	-22
E09357M	LAUNCHER, TUBULAR, F/GM TOW	28	-22
E09617M	MACHINE GUN, 7.62	24	-19
E12607B	QUADRANT, FIRE CONTROL W/CASE CARRYING M2	35	-31
E19047B	TEST SET, AMPLIFIER	3	-1
E32022B	STAND MAINT TURRET, F/UGWS	5	-4

TAMCN	NOMENCLATURE	CURRENT EEAP ALLOW	DELTA
A20797G	RADIO SET, MANPACK AN PRC119F	50	-48
A21687G	RADIO SET, VEHICULAR AN/VRC89A	2	-1
A75967G	TEST SYSTEM, THIRD ECHELON (RF VER) AN/USM657 (V)2	2	-1
A75977G	TEST SYSTEM, THIRD ECHELON (EO VER) AN/USM657(V)3	2	-1
A91002B	MCHS, COMPUTER, GP LAPTOP EMBARKABLE	12	-9
B05747B	TANK, FABRIC, COLLAPSIBLE, 20K	6	-4
B05897B	EXCAVATOR, COMBAT M9 ACE	6	-3
B21702E	KIT, TIE DOWN	26	-15
B23652E	TOOL KIT, EQUIP REPAIR ELECTRICAL	2	-1
B24102B	TOOL KIT, M9 ACE, 2D ECHELON	2	-1
C70017B	TESTER, AUTOMATIC TRANSMISSION	2	-1
C70732B	TOOL SET, COMMON NO.1	2	-1
D02357K	SEMI-TRLR, LOWBED, 40T	11	-10
E08467K	ASSAULT AMPHIBIOUS VEHICLE, PERSONNEL AAVP7A1	50	-25
E09977M	MACHINE GUN, 40MM	50	-25
E09997M	MACHINE GUN, CAL 50	50	-25
E18332E	STAND, HANDLING, POWERPLANT ASSEMBLY	6	-4
E19477B	TEST SET, NIGHT VISION	2	-1
E30942B	TOOL SET, OM, F/40MM MG MK19 MOD3	2	-1
E31702E	TOOL SET, WRENCH IMPACT	2	-1

Heartburn (Entire TAMCN)

TAMCN	NOMENCLATURE	CURRENT EEAP ALLOW
A02607G	COMMAND COMM SYSTEM AN/MSQ115	6
A06177G	TEST SET, ELECTRONIC SYSTEMS	1
A10007G	TACTICAL WARFARE SIMULATION (MAGTF)	1
A19567G	KIT, MAINT ELECTRONIC EDQUIP MK2713	1
A19587G	KIT, MAINT, ELECTRONIC EQUIP MK2745	1
A20757G	RADIO SET, VEHICULAR AN/VRC89D	6
A28052B	TEST SET AN/GRM115	1
A28062B	TEST, SET, ADAPTER/EXTENDER OF118/U	1
A28072B	TEST SET, ADAPTER/EXTENDER OF117/U	1
A70367G	GENERATOR, FUNCTION, ELEC TEST	1
A70557G	TEST SET, RF POWER	1
A75007G	TEST STATION, MCATES, HYBRID	1
B00117B	AIR CONDITIONER	1
B05727B	TANK, FABRIS, COLLAPSIBLE, 50K	4
B13157B	LAUNCHER, CLEARANCE, MINE	7
B15837B	PUMP FUEL 600 GPM	4
B15847B	PUMP FUEL 350 GPM	3
B15857B	FEPARATOR, FILTER, 350 GPM	8
B17137B	REFRIGERANT RECOVERY AND RECYCLING STATION	2
B21942E	TOOL KIT 3D ECHELON F/EBFL	1
B22382E	TOOL KIT, IM, ENG/CHASSIS REPAIR, CAERPILLAR	1
B22392E	TOOL KIT, IM, F/TRAM	2
B22412E	TOOL KIT, IM, F/SEE TRACTOR	1

TAMCN	NOMENCLATURE	CURRENT EEAP ALLOW
B22902E	TOOL KIT, SERVICE REFRIGERATION UNIT, SUPP	1
B24202B	TOOL KIT, M9 ACE 3D/4TH ECHELON	2
C70382E	TOOL SET, FUEL PUMP ADAPTER	2
C70392E	TOOL SET, INJECTOR ADAPTER	2
C70422B	NOZZEL, TESTMASTER2	1
C70692E	TOOL SET, FM 4TH ECHELON	1
C70712E	TOOL SET, FM, 4TH ECHL DETROIT DIESEL	2
C70742B	TOOL SET, COMMON NO. 2	2
D04052E	TEST SET, HYDRAULIC, 3RD ECH LVS	1
D04602E	TOOL KIT, FM, 3RD ECHELON LVS	1
D04652E	TOOL KIT, FM 4TH ECHEL LVS	1
D04772E	TOOL KIT, FM, 4TH ECH, HMMWV	1
D04782E	TOOL KIT, OM , 2D ECH LVS	2
D08787K	LVS TRLR, POWERED, 5TH WHEEL SEMI-TRLR ADAPTER	11
D12127K	TRK WRECKER, 5T 6X6	7
E01392E	BORESCOPE, 58MM 8IN	1
E01702E	CHEST, OIL PUMP	6
E02057M	COLLIMATOR, INFINITY AIMING, REFERENCE M1A2	21
E03427B	TOOL, EXTRACTOR M712	10
E03602E	FIXTURE, AZIMUTH TEST, W/EQUIPMENT	1
E03902E	FIXTURE, CROSS LEVEL AND ELEVATION	1
E05002E	KIT, GUAGE, PULLOVER, COMPLETE	1
E07602E	KIT, WRENCH, TORQUE	2

Heartburn (Cont)

TAMCN	NOMENCLATURE	CURRENT EEAP ALLOW
E07967K	ASSAULT AMPHIBIOUS VEHICLE, COMMAND AAVC7A1	6
E08567K	ASSAULT AMPHIBIOUS VEHICLE, RECOVERY AAVR7A1	2
E09847M	MACHINE GUN, CAL .50	22
E09987M	MACHINE GUN, 7.62MM	57
E10227B	MAINT FACILITY, NIGHT SIGHT	1
E10957M	MORTAR, MEDIUM, EXTENDED RANGE	3
E10967M	MOUNT, MG, FLEXIBLE	31
E11612B	RECOVERY/RECHARGE SYSTEM, HALON	1
E12542E	PRESS, ARBOR OTC	1
E12552E	KIT, PURGING	6
E13502B	RECHARGING SET FIRE SUPPRESSION	1
E13532E	RECHARGING UNIT, CARBON DIOXIDE	1
E13777K	RECOVERY VEHICLE, FT, MEDIUM	4
E13792E	REGULATOR, CHARGING ACCUMULATOR	2
E13857G	NEUTRALIZATION DEVISE ORDNANCE, REMOTE	1
E15702B	SET, GROUND HOP SUPPORT	1
E17137B	SHOP SET, MAINT ELECTRO-OPTICS	2
E17852M	SYNCHRONIZATION SET, SIGHT	1
E18887M	TANK, COMBAT, FT, 120MM GUN M1A1	22
E19067G	TEST SET, ELECTR SYSTEM, DIRECT SUPPORT	1
E19072E	KIT, TEST, AUTO FIRE SENSING SUPP SYS AAV7A1	1
E19097B	TEST SET, BORESIGHT COLLIMATOR	2
E19107G	EST SET, SIMPLIFIED TEST EQUIP STE/M1A1	2

TAMCN	NOMENCLATURE	CURRENT EEAP ALLOW
E19117B	TEST SET, MISSILE GUIDANCE	2
E19127B	TEST SET, GM AN/TSM140B	2
E19137G	KIT, TEST, AFSSS, 3D TO 5TH ECH AAV7A1	1
E19462E	TEST STAND, POWERE PLANT F/AAV7A1	1
E19552E	TESTER, AIRFLOW, FILTER UNIT, GAS-PARTICULATE	2
E20282E	TOOL KIT, COMMON, ARMOR LAV	1
E22502E	TOOL SET, FLD OPS, EOD TEAM	1
E22702E	TOOL SET, FM, MACHINE GUN CAL .50	1
E26592E	TOOL KIT, IM, LAV-25 4TJ ECJ	1
E28292E	TOOL KIT, OM, F/M240 MG	1
E29342E	TOOL SET, M1A1 TANK, 3D ECH	1
E30352E	TOOL SET, DS/GS MAINT	1
E30702E	TOOL SET, EOD MK1 MOD3	1
E30932B	TOOL SET, IM, F/40MM MG MK19 MOD 3	1
E31262E	TOOL SET, SPECIAL, FM 3D ECH F/M88A1	1
E31282E	TOO SET, OM, 2D ECH, F/M88A1	1
E31412E	TOOL SET, OM 2D ECH, F/M88A2	1
E31422E	TOOL SET, FM, 3D ECH, F/M88A2	1
E31432E	TOOL SET, FM, 4TH ECH, F/M88A2	1
E31622E	TOOL SET, SPECIAL, 2D ECH, F/AAV	2
E31632E	TOOL SET, FM, 3D/4TH ECH F/AAV	2
E31672E	TOOL SET, FM, 4TH ECH	1
U30317B	BULLDOZER D8N	2

Way Ahead

- **MCCDC (TECOM) to lead (Operating Forces supporting) thorough review of EEAP T/E requirements within heartburn items by 15 January 2003**

- **MATCOM to issue appropriate disposition instructions by 4 February 2003**

- **MATCOM (Supported by P&R) identify cost/savings data, to include EEAP sourcing & retirement/disinvestment by 4 February 2003**

Way Ahead (Cont)

- **Operating Forces provide to MCCDC (TFS) actual unit T/Es to track EEAP sourcing historical data by 31 March 2003**

- **MCCDC (TFS) to input to TFSMS files approved EEAP Sourcing data by 30 April 2003**

- **Phase V tentatively scheduled for 7-15 January 2003 (recommend reschedule to 18-26 March 2003); principally A, B, D, and E TAMCNs**

Recommendations

- **Approve Advocacy "By Exceptions"**
- **Approve Way Ahead**

Recommendations (Cont)

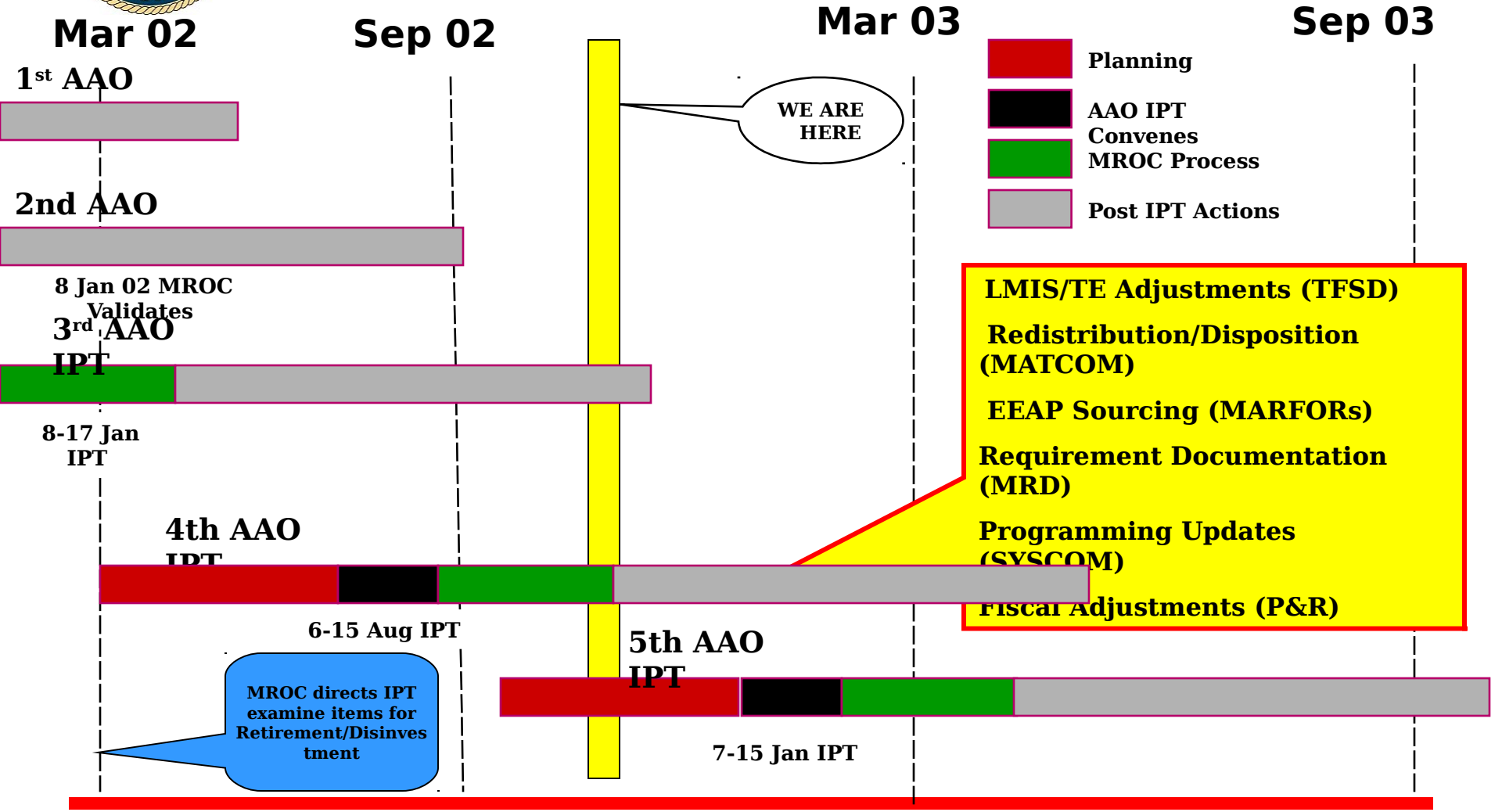
- **EEAP Sourcing Recommendations:**
  - **Approve Res sourced**
  - **Approve MEF sourced**
  - **Approve all heartburn as additive to EEAP**

Back-up Slides

Previous Phases

- **Phase I: April 2001/MROC DM 25-2001**
  - 25 Items Reviewed; 21 Items Tailored
  - LMIS Adjustments Made
- **Phase II: Sep 2001/MROC DM 09-2002**
  - 29 Items Reviewed; 25 Items Tailored
  - LMIS Adjustments Made
- **Phase III: Jan 2002/MROC DM 30-2002**
  - 36 Items Reviewed; 33 Items Tailored
  - LMIS Adjustments Made

AAO IPT Chronology (Cont)

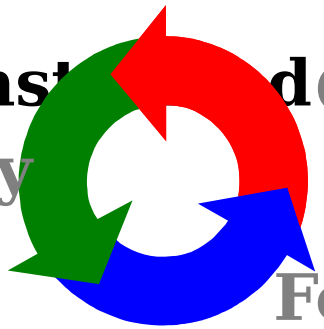


Reserve In-Stores

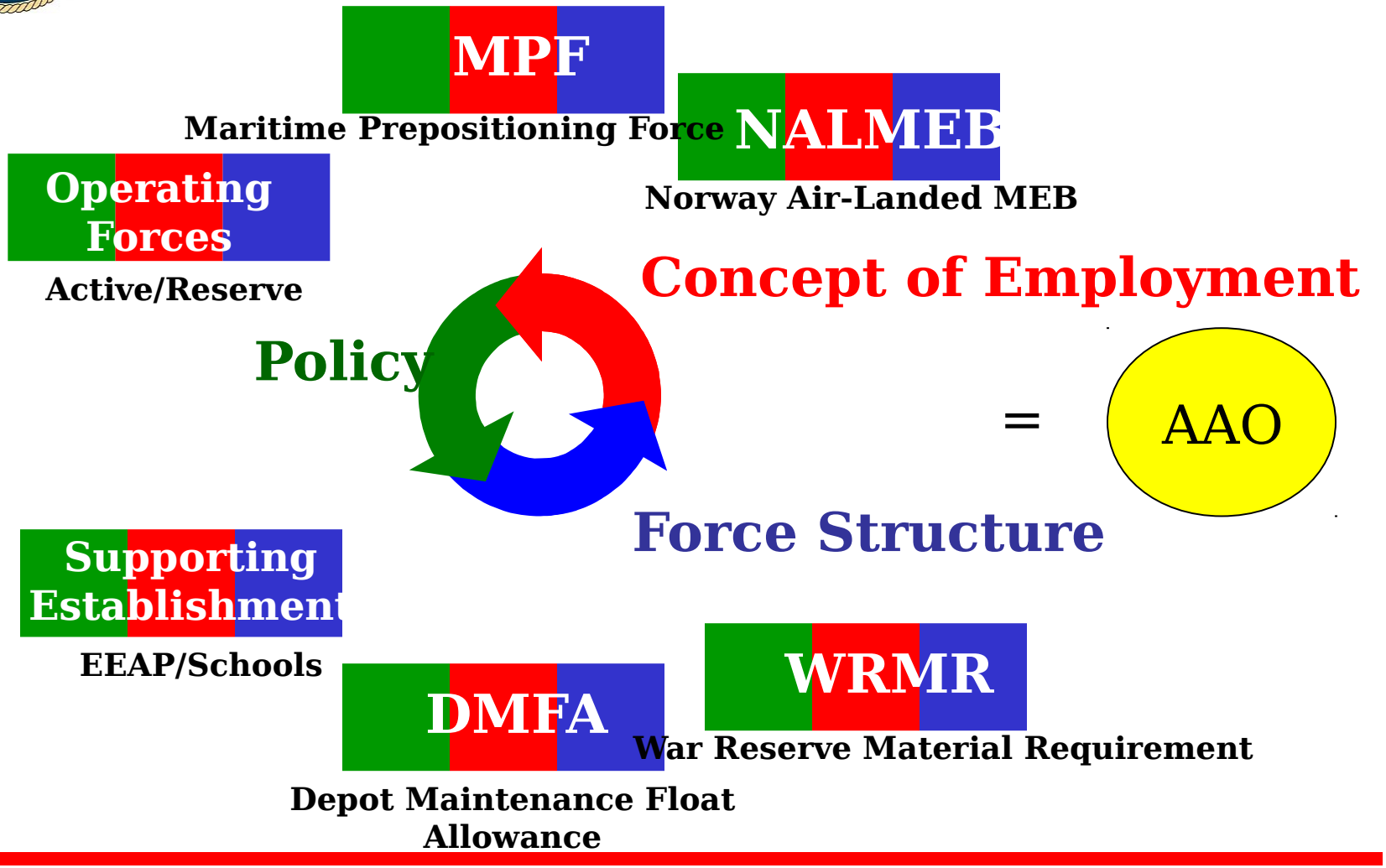
- **Preponderance of Reserve units have Training Allowance (T/A) vice full Table of Equipment (T/E) on-hand**
- **Delta between T/E and T/A= Reserve In-Stores (IS)**
- **Currently data only captured in PEI Stratification by MATCOM**
- **TFSMS will capture data in future, to include EEAP Sourcing**

AAO Defined

- **An authorized allowance of an item for peacetime and wartime requirements and sustainment of the Marine Corps**
- **Comprised of Class II (Individual Equipment Items) and Class VII (Principal End Items)**
- **Total Equipment Acquisition Objective Based On:**
- **Fiscally Unconstrained Set of Requirements**



Components of An AAO



Operating Forces and SE Allowances

- **Allowances derived from the COE**
  - X number per battalion, team, vehicle
- **Force Structure matched up w/COE**
  - operator/maintainers MOS
- **Develop allowances at 100% of Force Structure (T/O&E)**
- **Reserves are complementary or mirror-imaged to the active MEFs**
- **Schools allowances based on throughput**

EEAP Quantities Sourced from the Operating Forces
Default Reserves to Largest Active MEF Quantity

Maritime Prepositioning

- **Global Staging Platforms**
- **What Goes on depends on:**
  - **Operating Force Input (NAVMC 2907)**
  - **Ship Space constraints**
  - **Prepositioning criteria**
    - **Generally no critical low density items**
    - **Materiel shelf-life less than 24-30 months**
    - **Equipment Can Be Tailored to Ensure That Requirement Will Fit On MPF Within Existing Cube/Weight Limitations and Meets Prepositioning Criteria**

Anticipated preclusive maintenance requirements < 36 months?

Norway Air-Landed MEB

- **Prepositioned equipment in Norway**
- **U.S. MOU between SECDEF and Minister of Defense 1981**
- **Operating Force input (II MEF) (NAVMC 2926)**
- **Equipment also used in support of EUCOM operations and exercises**
- **Used as part of MARFOREUR Theater Engagement Plan**
- **Out of Area policy**

No New Capability To NALMEB without I&L/PP&O endorsement; Modernization/PIP/SLEP of Existing Capability on a One-for-One Basis

Depot Maintenance Float

- **Maintain readiness in Operating Forces**
  - 5th Echelon Maintenance and Washouts
- **MATCOM develops requirement:**
  - MEF/Reserve Allowances
  - Mean Repair Cycle Time
  - Transportation Time
  - Administration Time
  - Mean Time Between Overhaul

Policy change: Default DMFA to zero, justify any required quantities.

War Reserve Materiel

- **Computation formula under development that allows for combat and peacetime calculations**
- **Combat loss replacement**
- **Two overlapping MTWs calculation**
- **WRMR calculating methodology:**
  - MEFs/Reserves Allowances
  - Combat Active Replacement Factors (CARFs)
  - MPF Allowances
- **WRMR minus MPF = <u>Net WRMR</u>**

Policy change: Default Net WRMR to zero.

M1A1 AAO

- **Recommendations:**
  - That the inventory of M1A1 tanks not be reduced by 49.
- **Justification:**
  - AAO tailoring methodology has already been applied to the tank fleet in that the EEAP and DMFA have been sourced out of 4th MarDiv by establishing a training allowance that is less than their requisite crews.
  - It will severely degrade training and equipment readiness and reduce the serve life of the present fleet.

USMC M1A1 MAIN BATTLE TANK DISTRIB

MPSRON1
Allocation = 58
Current Onboard = 58

MPSRON2
Allocation = 58
Current Onboard = 58

MPSRON3
Allocation = 58
Current Onboard = 58

1st Tank Bn
T/E = 58
On the Ramp = 58
Average Crews Formed = 54

2d Tank Bn
T/E = 58
On the Ramp = 58
Average Crews Formed = 50

4th Tank Bn
T/E = 58
On the Ramp = 32
Average Crews Formed = 54

8th Tank Bn
T/E = 58
On the Ramp = 32
Average Crews Formed = 56

EEAP
T/E = 22
On the Ramp = 22
Average CAX Force Draw = 14

DMFA
O/O Distribution = 44
Current allocation = 27

O&O Ch2 of Jan 2000 Distribution = 420
Current Onhand = 403
AAO Tailoring recommendation = 354

Tailoring

- Currently the entire inventory of tanks is employed to train four battalions and support six MEUs - with less than four battalions worth of actual tanks.

Inventory (Fleet Size)	MPS	DMFA	EEAP	Available Tanks for Training	Average Crews Formed
403	174	27	22	182	222
354	174	0 (X)	22	158 (158-X)	222

- The proposed reduction of 49 tanks is targeted to come from the EEAP and DMFA:
- These activities will be sourced with vehicles from the operating forces.

Training Readiness

- The Tank Training and Readiness Manual, as well as the MCCRES Volume X, Part A, require training goals, programs, and formal readiness evaluations at individual and crew level.
- They also require the use of Tank Tactical Tables and Exercises to effectively prepare Tank Platoons, **Companies and Battalions** for combat operations.

Potential Force Structure	Training Tanks	Crews Formed
Training Fleet	**158-X**	**222**
Active Tank Bn	**50**	**50-54**
Active Tank Co	**12**	**13**
Reserve Tank Bn	**23**	**54-58**
Reserve Tank Co	**5-6**	**14**

  - Units would be T/E deficient while tanks are in the maintenance cycle.
- **Impact:** Reducing the overall number of tanks will decrease training force readiness across the force.

Equipment Readiness

- The cost of the tank fleet is tied directly to Operating & Support (O&S) costs. As contracted these costs are driven by total fleet miles and hours.
- Usage data shows fleet miles and hours are actually increasing:

	CY 1999	CY 2000	CY2001
Hours	19,859	24,897	28,898
Miles (Km)	113,068	125,746	144,351

- ~~The DMFA has been a significant factor supporting the service life of the tank fleet.~~
  - Current DMFA rotation schedule:
    - EEAP – every 2 years
    - Active Bn – every 5 years
    - Reserve Bn – every 7 years
    - MPS – every 10 years
  - Current Production/Rotation schedule:
    - FY02 =56 with 23 funded.
    - FY03 = 56 with 54 funded
    - FY04/05 = 41 with 1 funded
- AAO reduction will force a reduced maintenance cycle and will not reduce total fleet miles and hours. Increased miles and hours per tank will lead to higher O&S costs over time.
- **Impact:** Reduced equipment readiness and fleet service life.

Costs

- As a procured system the Marine Corps cannot recoup initial investment.
- Reduction of the fleet coupled with increased annual usage(miles and hours) will reduce the service life of the tank fleet.
  - The fleet will not be replaced by the MEFFV until the 2020-25 time range.
- The reduced ability to maintain a maintenance rotation schedule for the fleet will increase user O&S costs.
- The Marine Corps may also incur some significant costs in providing for the final disposition of tanks that are selected for reduction
  - Cost to Demilitarize an M1A1 $466 k. (FY03 $)
  - No M1A1 has been offered by the US for Foreign Military Sales
  - The selected tanks may need to be returned to the Army (issue standards??? / storage costs???)

Impact: AAO reduction will likely increase total costs to the Marine Corps.

Firepower Enhancements Program AAO

- **Recommendations:**
  - That the entire fleet of tanks receive the firepower enhancement package (FEP).

- **Justification:**
  - Tailoring FEP systems to any number other than the approved tank AAO will result in an increase in total costs (Net savings from systems not purchased – O&S cost increase)

FEP Costs

- **An example**: FEP not fielded to tanks in the DMFA cycle. (net reduction of 27 systems)
  - This would require that FEP systems be installed and removed as tanks enter/exit maintenance cycle
    - $2.8 million – Savings of not procuring 27 systems (FY03 $)
    - $3.4 million – Estimated life cycle O&S costs to install and remove systems as tanks enter/exit maintenance cycle.
  - Installation and removal is not a simple task
    - FEP system is a package of replacements and upgrades
    - Installation involves a number of systems throughout the turret and hull of the vehicle

Commanders' Thoughts

As reiterated at the most recent Ground Board all Division Commanders continue to oppose the reduction in the AAO.

- The implied cost savings associated with reducing the AAO is not clear.
- A reduction shifts the same amount of miles/hours on tanks, especially those supporting the EEAP, and by having fewer tanks in the rebuild line at DMFA.
- A reduction also adversely affects the training, maintaining, and combat readiness of our forces.
- The requirement to train four battalions of Marines and support six MEUs with less than four battalions of tanks will not change.

- Recommend retaining the current AAO of 403 tanks in the inventory and outfitting them all with FEP.